

CLAIMS

1. (Previously Presented) A polling method for use in communicating information from a wireless transceiver unit to a wireless base unit, the wireless transceiver unit and the wireless base unit capable of communication over a wireless control channel and a wireless data traffic channel, the polling method comprising:
 - receiving an information request message over the control channel;
 - sending information over the control channel in response to the information request message; and
 - repeating the receiving and sending on a regular basis.
2. (Original) The polling method according to claim 1, further comprising:
 - initiating the repeated receiving and sending in response to a detected problem.
3. (Original) The polling method according to claim 1, further comprising:
 - detecting a problem;
 - sending a problem detection message in response to detecting the problem; and
 - initiating the repeated receiving and sending in response to the problem detection message.
4. (Previously Presented) The polling method according to claim 1, further comprising:
 - detecting a communication failure on the data traffic channel; and
 - initiating the repeated receiving and sending in response to detecting the communication failure.

5. (Original) The polling method according to claim 1, further comprising:
detecting that a power failure has occurred; and
initiating the repeated receiving and sending in response to detecting that the power failure has occurred.

6. (Original) The polling method according to claim 1, further comprising:
delaying a random period of time prior to sending the information.

7. (Previously Presented) The polling method according to claim 1, wherein sending comprises sending the information over a shared control channel, the polling method further comprising:
delaying a random period of time prior to sending the information over the shared control channel.

8. (Original) The polling method according to claim 1, wherein the information request message comprises data indicative of a requested information type and the information sent corresponds to the requested information type.

9. (Previously Presented) A polling method for use in communicating information from a wireless transceiver unit to a wireless base unit, the wireless transceiver unit and the wireless base unit capable of communication over a wireless control channel and a wireless data traffic channel, the polling method comprising:
sending an information request message over a wireless communication channel;
receiving information over the control channel in response to the information request message; and
repeating the sending and receiving on a regular basis.

10. (Original) The polling method according to claim 9, further comprising:
initiating the repeated sending and receiving in response to a detected problem.

11. (Original) The polling method according to claim 9, further comprising:
receiving a problem detection message; and
initiating the repeated receiving and sending in response to the problem detection message.

12. (Previously Presented) The polling method according to claim 9, further comprising:
detecting a communication failure on the data traffic channel; and
initiating the repeated receiving and sending in response to detecting the communication failure.

13. (Previously Presented) The polling method according to claim 9, further comprising:
detecting a communication failure on the data traffic channel;
tearing down the data traffic channel after detecting the communication failure; and
initiating the repeated receiving and sending in response to detecting the communication failure.

14. (Original) The polling method according to claim 9, further comprising:
detecting that a power failure has occurred; and
initiating the repeated receiving and sending in response to detecting that the power failure has occurred.

15. (Original) The polling method according to claim 9, wherein sending the polling request message comprises broadcasting it for receipt by a plurality of wireless transceiver units, the polling method further comprising:

receiving the information from each one of the wireless transceiver units at random points in time.

16. (Previously Presented) The polling method according to claim 9, wherein sending the polling request message comprises broadcasting it for receipt by a plurality of wireless transceiver units, the polling method further comprising:

receiving information from each one of the wireless transceiver units at random points in time over a shared control channel.

17. (Original) The polling method according to claim 9, wherein the polling request message comprises data indicative of a requested information type and the information sent corresponds to the requested information type.

18. (Previously Presented) A polling method for use in communicating information from a wireless transceiver unit to a wireless base unit, the polling method comprising:

detecting that a power failure involving a wireless transceiver unit has occurred;

tearing down a wireless data traffic channel used by the wireless transceiver unit in response to detecting that the power failure has occurred; and

polling the wireless transceiver unit for information in response to detecting that the power failure has occurred.

19. (Original) The polling method according to claim 18, wherein polling comprises polling for information on a periodic basis.

20. (Original) The polling method according to claim 18, wherein polling comprises sending an information request message to the wireless transceiver unit over a control channel.

21. (Original) The polling method according to claim 18, wherein polling comprises sending an information request message to the wireless transceiver unit; and receiving information from the wireless transceiver unit, if available, in response to sending the information request message.

22. (Original) A polling method for use in communicating information from a plurality of wireless transceiver units to a wireless base unit, the wireless transceiver units and wireless base unit having one or more data traffic channels available for communicating high speed data therebetween, the polling method comprising:

detecting, on a data traffic channel, a communication failure involving a wireless transceiver unit; and

polling the wireless transceiver unit for information in response to detecting the communication failure on the data traffic channel.

23. (Original) The polling method according to claim 22, wherein polling comprises polling for information on a periodic basis.

24. (Original) The polling method according to claim 22, wherein polling comprises sending an information request message to the wireless transceiver unit over a control channel.

25. (Original) The polling method according to claim 22, wherein polling comprises sending an information request message to the wireless transceiver unit over a control channel; and receiving information from the wireless transceiver unit, if available, in response to sending the information request message.

26. (Original) A polling method for use in communicating information from a plurality of wireless transceiver units to a wireless base unit, the wireless transceiver units and wireless base unit having a broadcast channel available therebetween, the polling method comprising:

sending an information request message over a broadcast channel for receipt by a plurality of wireless transceiver units; and

receiving information from each available wireless transceiver unit at random points in time over a shared channel in response to sending the information request message.

27. (Original) The polling method according to claim 26, wherein the information comprises status information.

28. (Original) The polling method according to claim 26, further comprising:

repeating the sending and receiving on a periodic basis.

29. (Original) A polling method for use in communicating information from a wireless transceiver unit to a wireless base unit, the polling method comprising:

receiving an information request message over a broadcast channel;

delaying for a random period of time in response to receiving the information request message; and

sending information corresponding to the information request message over a shared channel after delaying for the random period of time.

30. (Original) The polling method according to claim 29, wherein the information comprises status information.

31. (Original) The polling method according to claim 29, further comprising: repeating the receiving, delaying, and sending on a periodic basis.